

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	173666	siemens\$.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:03
L2	0	I1 and balance near5 workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:03
L3	0	I1 and balance near5 work adj load	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:04
L4	226	I1 and synchronous\$5 near5 asynchronous\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:04
L5	8	I4 and balance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:05
L6	23	callaghan-robert\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:05
L7	0	MARKKU-KORPI\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:05
L8	41	KORPI\$-MARKKU.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:06
L9	3	CRIPE-JEFF.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:06

## EAST Search History

L10	3	GROSBERG-MARK.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:06
L11	5	BUTCHER-KRISTIN.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:06
L12	2	GILBERT-LEROY.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:06
L13	1	HOWE-WYATT.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:07
L14	4	CROSS-KENTON.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:07
L15	7	FIEREMANS-GEERT.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:21
L16	822	718/105.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:22
L17	928	719/310.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:22
L18	1849	719/311-315.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:22
L19	1397	719/316-318.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:22

## EAST Search History

L20	878	719/330-332.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:22
L21	9343	709/201-203.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L22	1424	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L23	26940	709/217-230.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L24	1652	718/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L25	1167	718/104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L26	822	718/105.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L27	652	718/107.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L28	187	379/900.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:24
L29	213	725/106.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:24

## EAST Search History

L30	606	379/88.25.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:24
L31	161	455/554.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:24
L32	50	377/66.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:24
L33	212	370/298.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:24
L34	82	375/370.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:25
L35	40821	I16 or I17 or I18 or I19 or I20 or I21 or I22 or I23 or I24 or I25 or I26 or I27 or I28 or I29 or I30 or I31 or I32 or I33 or I34	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:25
L36	1075	I35 and (pbx or (private adj branch adj exchange))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:26
L37	238	I35 and balance near5 workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:26

## EAST Search History

S1	66	(US-6034996-\$ or US-5737337-\$ or US-5559611-\$ or US-6157464-\$ or US-6009159-\$ or US-5555100-\$ or US-6233333-\$ or US-5742675-\$ or US-6594827-\$ or US-6594255-\$ or US-6577637-\$ or US-6560329-\$ or US-6556565-\$ or US-6542475-\$ or US-6529598-\$ or US-6510219-\$ or US-6452946-\$ or US-6421328-\$ or US-6349135-\$ or US-6330450-\$ or US-6330316-\$ or US-6285750-\$ or US-6233450-\$ or US-6230021-\$ or US-6141345-\$ or US-6097968-\$). did. or (US-6078821-\$ or US-6044108-\$ or US-6097806-\$ or US-5912882-\$ or US-6035203-\$ or US-6016425-\$ or US-5991389-\$ or US-5912950-\$ or US-5442622-\$ or US-5898683-\$ or US-5862211-\$ or US-5862207-\$ or US-5809430-\$ or US-5790527-\$ or US-5787355-\$ or US-5778075-\$ or US-5748610-\$ or US-5699413-\$ or US-5675577-\$ or US-5530704-\$ or US-5499397-\$ or US-5463672-\$ or US-5461627-\$ or US-5392331-\$ or US-5363426-\$ or US-5280472-\$ or US-5276727-\$). did. or (US-5161181-\$ or US-6529558-\$ or US-6493402-\$ or US-6477669-\$ or US-6449288-\$ or US-6370669-\$ or US-6363109-\$ or US-6353627-\$ or US-5907563-\$ or US-6307849-\$ or US-6487290-\$ or US-6252947-\$ or US-5828881-\$). did.	USPAT	OR	OFF	2004/01/20 18:15
S2	0	S1 and ((dispatch\$3 or register\$3 or rout\$3) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 18:45
S3	15	S1 and ((dispatch\$3 or register\$3 or rout\$3) near5 (message ))	USPAT	OR	ON	2004/01/20 18:19
S4	0	((dispatch) near5 (message adj2 type)) and PBX and synchronous\$3 and asynchronous\$3	USPAT	OR	ON	2004/01/20 18:21
S5	6	((dispatch\$3) near5 (message adj2 type)) and PBX and synchronous\$3 and asynchronous\$3	USPAT	OR	ON	2004/01/20 18:28
S6	19	((dispatch\$3 or register\$3 or rout\$3) near5 (message adj2 type)) and PBX and synchronous\$3 and asynchronous\$3	USPAT	OR	ON	2004/01/20 18:30

## EAST Search History

S7	18	((dispatcher or registering or routing) near5 (message adj2 type)) and PBX and synchronous\$3 and asynchronous\$3	USPAT	OR	ON	2004/01/20 18:30
S8	6	((dispatcher ) near5 (message adj2 type)) and PBX and synchronous\$3 and asynchronous\$3	USPAT	OR	ON	2004/01/20 18:31
S9	8	((dispatcher) near5 (message adj2 type)) and synchronous\$3 and asynchronous\$3	USPAT	OR	ON	2004/01/20 18:31
S10	6	((dispatcher ) near5 (message adj2 type)) and PBX	USPAT	OR	ON	2004/01/20 18:40
S11	6	((dispatcher) near5 (message near2 type)) and PBX	USPAT	OR	ON	2004/01/20 18:42
S12	11	((dispatcher) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 18:42
S13	6	((registering) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 18:44
S14	140	((routing) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 18:44
S15	1	((routing) near5 (message near2 type)) same register\$3	USPAT	OR	ON	2004/01/20 18:44
S16	15	S1 and ((dispatch\$3 or register\$3 or rout\$3) near5 (message ))	USPAT	OR	ON	2004/01/20 18:47
S17	5	S1 and ((dispatch\$3 or register\$3 ) near5 (message ))	USPAT	OR	ON	2004/01/20 18:48
S18	194	((dispatch\$3 or register\$3 ) near5 (message near2 type ))	USPAT	OR	ON	2004/01/20 18:49
S19	17	((dispatcher or registering ) near5 (message near2 type ))	USPAT	OR	ON	2004/01/20 19:15
S20	0	transmit same ((registering ) near5 (message near2 type ))	USPAT	OR	ON	2004/01/20 19:05
S21	7	transmit same ((register\$2 ) near5 (message near2 type ))	USPAT	OR	ON	2004/01/20 19:06
S22	37	transmit\$3 same ((register\$2 ) near5 (message near2 type ))	USPAT	OR	ON	2004/01/20 19:09
S23	0	S22 and PBD	USPAT	OR	ON	2004/01/20 19:09
S24	0	S22 and PBX	USPAT	OR	ON	2004/01/20 19:09
S25	63	((distribut\$3 ) near5 (message near2 type ))	USPAT	OR	ON	2004/01/20 19:15
S26	3	((distribut\$3 ) near5 (message near2 type )) and PBX	USPAT	OR	ON	2004/01/20 19:46
S27	50208	call adj processing adj subsystem	USPAT	OR	ON	2004/01/20 19:46
S28	29	call adj processing adj subsystem	USPAT	OR	ON	2004/01/20 20:34

## EAST Search History

S29	0	S28 same (register\$3)	USPAT	OR	ON	2004/01/20 19:50
S30	0	S28 same (dispatc\$3)	USPAT	OR	ON	2004/01/20 19:50
S31	0	S28 same (dispatch\$3)	USPAT	OR	ON	2004/01/20 19:50
S32	1	S28 same (transmit\$5)	USPAT	OR	ON	2004/01/20 19:52
S33	2	device adj handler adj subsystem	USPAT	OR	ON	2004/01/20 19:52
S34	384	device adj handler	USPAT	OR	ON	2004/01/20 20:37
S35	26	S34 and PBX	USPAT	OR	ON	2004/01/20 19:52
S36	18	S35 and register\$3	USPAT	OR	ON	2004/01/20 20:36
S37	1	S34 same (message adj type)	USPAT	OR	ON	2004/01/20 21:38
S38	9	(device adj handler) near5 register\$3	USPAT	OR	ON	2004/01/20 20:26
S39	6	S28 and PBX	USPAT	OR	ON	2004/01/20 20:34
S40	1	(register\$3 same (device adj handler)) and PBX	USPAT	OR	ON	2004/01/20 20:37
S41	1	(list\$3 same (device adj handler)) and PBX	USPAT	OR	ON	2004/01/20 20:37
S42	1	("6560329").PN.	USPAT; USOCR	OR	OFF	2004/01/20 22:21
S43	754	transmit\$3 and asynchronous and synchronous and priority and (message near3 type)	USPAT	OR	OFF	2004/01/20 22:23
S44	270	dispatch\$3 and asynchronous and synchronous and priority and (message near3 type)	USPAT	OR	OFF	2004/01/20 22:24
S45	5	dispatch\$3 and asynchronous and synchronous and priority and (message near3 type near3 name)	USPAT	OR	OFF	2004/01/20 22:47
S46	1	("6335927").PN.	USPAT; USOCR	OR	OFF	2004/01/20 22:47
S47	1	S46 and (message near3 type near3 name)	USPAT	OR	OFF	2004/01/20 22:47
S48	1	S46 and (message same type same name)	USPAT	OR	OFF	2004/01/20 22:47
S49	86	network and switch and PSTN and TIS and "T1"	USPAT; EPO; JPO	OR	ON	2003/07/23 17:49
S50	28	(network and switch and PSTN and TIS and "T1") and (dispatch\$3 or pars\$3)	USPAT; EPO; JPO	OR	ON	2003/07/21 14:23
S51	16	((network and switch and PSTN and TIS and "T1") and (dispatch\$3 or pars\$3)) and queue	USPAT; EPO; JPO	OR	ON	2003/07/21 12:21

## EAST Search History

S52	19	((network and switch and PSTN and TIS and "T1") and (dispatch\$3 or pars\$3)) and list	USPAT; EPO; JPO	OR	ON	2003/07/21 14:12
S53	72	(network and switch and PSTN and TIS and "T1") and (dispatch\$3 or pars\$3 or controller)	USPAT; EPO; JPO	OR	ON	2003/07/23 17:51
S54	1399	network and PSTN and PBX	USPAT; EPO; JPO	OR	ON	2003/07/23 17:50
S55	231	(network and PSTN and PBX) and queue and list	USPAT; EPO; JPO	OR	ON	2003/07/23 18:11
S56	186	((network and PSTN and PBX) and queue and list) and (dispatch\$3 or pars\$3 or controller)	USPAT; EPO; JPO	OR	ON	2003/07/23 18:02
S57	131	(((network and PSTN and PBX) and queue and list) and (dispatch\$3 or pars\$3 or controller)) and priorit\$3	USPAT	OR	OFF	2003/07/23 17:54
S58	94	(((network and PSTN and PBX) and queue and list) and (dispatch\$3 or pars\$3 or controller)) and priorit\$3 and server	USPAT	OR	ON	2003/07/23 17:55
S59	73	(((network and PSTN and PBX) and queue and list) and (dispatch\$3 or pars\$3 or controller)) and priorit\$3 and synchronous\$2	USPAT	OR	ON	2003/07/23 17:55
S60	3	callaghan-robert\$.in.	USPAT	OR	ON	2003/07/23 17:56
S61	3	cripe-jeff\$.in.	USPAT	OR	ON	2003/07/23 17:57
S62	0	cross-kenton.in.	USPAT	OR	ON	2003/07/23 17:58
S63	0	cross-kenton\$.in.	USPAT	OR	ON	2003/07/23 17:58
S64	10	korpi-markku.in.	USPAT	OR	ON	2003/07/23 17:58
S65	2	korpi-markku.in. and network and list	USPAT	OR	ON	2003/07/23 17:59
S66	71	((((network and PSTN and PBX) and queue and list) and (dispatch\$3 or pars\$3 or controller)) and priorit\$3 and synchronous\$2) and asynchronous\$2	USPAT	OR	ON	2003/07/23 18:00
S67	16	((network and PSTN and PBX) and queue) and (dispatch\$2 near5 message)	USPAT; EPO; JPO	OR	ON	2003/07/23 18:13
S68	363	(network and PSTN and PBX) and queue	USPAT; EPO; JPO	OR	ON	2003/07/23 18:13
S69	757	PSTN same PBX	USPAT	OR	ON	2003/07/23 18:17
S70	756	PSTN same PBX	USPAT	OR	OFF	2003/07/23 18:18
S71	207	(PSTN same PBX) and queue	USPAT	OR	ON	2003/07/23 18:18

## EAST Search History

S72	110	PSTN same PBX same (dispatch\$3 or pars\$3 or controller or controllers)	USPAT	OR	OFF	2003/07/23 18:19
S73	3162	((dispatch\$3 or pars\$3 or controller or controllers) near5 (list or listing))	USPAT	OR	OFF	2003/07/25 12:23
S74	337	((dispatch\$3) near5 (list or listing))	USPAT	OR	OFF	2003/07/25 12:17
S75	126	((((dispatch\$3) near5 (list or listing))) and network and switch	USPAT	OR	OFF	2003/07/25 11:58
S76	137	((((dispatch\$3) near5 (list or listing))) and network and switch	USPAT	OR	ON	2003/07/25 11:58
S77	43	(((((dispatch\$3) near5 (list or listing))) and network and switch) and synchronous\$2	USPAT	OR	ON	2003/07/25 11:59
S78	43	(((((dispatch\$3) near5 (list or listing))) and network and switch) and synchronous\$2) and (channel or queue)	USPAT	OR	ON	2003/07/25 11:59
S79	41	(((((dispatch\$3) near5 (list or listing))) and network and switch) and synchronous\$2) and order	USPAT	OR	ON	2003/07/25 11:59
S80	35	(((((dispatch\$3) near5 (list or listing))) and network and switch) and synchronous\$2) and priority	USPAT	OR	ON	2003/07/25 12:16
S81	1136	((dispatch\$3 or pars\$3) near5 (list or listing))	USPAT	OR	ON	2003/07/25 12:24
S82	2	((dispatch\$3 or pars\$3) near5 (list or listing)) and (list same unique adj integer)	USPAT	OR	ON	2003/07/25 12:34
S83	33	((dispatch\$3 or pars\$3) near5 (list or listing)) and (list same unique adj identifier)	USPAT	OR	ON	2003/07/25 12:26
S84	23	((((dispatch\$3 or pars\$3) near5 (list or listing))) and (list same unique adj identifier)) and (list near5 (name or type or value))	USPAT	OR	ON	2003/07/25 12:30
S85	8	(((((dispatch\$3 or pars\$3) near5 (list or listing))) and (list same unique adj identifier)) and (list near5 (name or type or value))) and synchronous\$2	USPAT	OR	ON	2003/07/25 12:30
S86	5	(((((dispatch\$3 or pars\$3) near5 (list or listing))) and (list same unique adj identifier)) and (list near5 (name or type or value))) and synchronous\$2 and asynchronous\$2	USPAT	OR	ON	2003/07/25 12:33

## EAST Search History

S87	405	synchronous\$2 and asynchronous\$2 and ((dispatch\$3 or pars\$3) same (list or listing))	USPAT	OR	ON	2003/07/25 13:04
S88	21	(synchronous\$2 and asynchronous\$2 and ((dispatch\$3 or pars\$3) same (list or listing))) and (list same (unique adj2 (integer or identifier)))	USPAT	OR	ON	2003/07/25 12:34
S89	21	((US-6252946-\$ or US-6249570-\$ or US-6246752-\$ or US-6377993-\$ or US-6401085-\$ or US-6477150-\$ or US-6535855-\$ or US-6484176-\$ or US-4525780-\$ or US-6199099-\$ or US-6199068-\$ or US-6181992-\$ or US-6088659-\$ or US-5608720-\$ or US-5596750-\$ or US-5574903-\$ or US-6252947-\$ or US-5541840-\$ or US-5515492-\$ or US-6356905-\$ or US-4829445-\$).did.) and ((dispatch\$3 or pars\$3) same (list or listing))	USPAT	OR	ON	2003/07/25 13:03
S90	14	synchronous\$2 and asynchronous\$2 and (queue or channel) and order and ((dispatch\$3 or pars\$3) same (list or listing) same unique)	USPAT	OR	ON	2003/07/25 14:22
S91	14	((US-6088693-\$ or US-5920873-\$ or US-5826265-\$ or US-6360243-\$ or US-6377993-\$ or US-6430593-\$ or US-6477566-\$ or US-6477150-\$ or US-5822556-\$ or US-4829445-\$ or US-4750135-\$ or US-4280060-\$ or US-6094654-\$ or US-6128672-\$).did.) and ((dispatch\$3 or pars\$3) same (list or listing) same unique)	USPAT	OR	ON	2003/07/25 13:24

## EAST Search History

S92	7	((US-5280472-\$ or US-5363426-\$ or US-5392331-\$ or US-5442622-\$ or US-5461627-\$ or US-5463672-\$ or US-6330450-\$ or US-6330316-\$ or US-6349135-\$ or US-6421328-\$ or US-5991389-\$ or US-6307849-\$ or US-6034996-\$ or US-5907563-\$ or US-5737337-\$ or US-6370669-\$ or US-6449288-\$ or US-6477669-\$ or US-6529558-\$ or US-6493402-\$ or US-6556565-\$ or US-6560329-\$ or US-6577637-\$ or US-6594255-\$ or US-6487290-\$ or US-6252947-\$). did. or (US-6233333-\$ or US-6157464-\$ or US-5898683-\$ or US-5912950-\$ or US-6009159-\$ or US-6016425-\$ or US-6452946-\$ or US-6510219-\$ or US-6529598-\$ or US-5499397-\$ or US-6035203-\$ or US-6044108-\$ or US-6078821-\$ or US-6097968-\$ or US-6141345-\$ or US-6230021-\$ or US-6233450-\$ or US-6285750-\$ or US-5828881-\$ or US-5161181-\$ or US-5276727-\$ or US-5530704-\$ or US-5675577-\$ or US-5699413-\$ or US-5748610-\$ or US-5778075-\$ or US-5787355-\$). did. or (US-5790527-\$ or US-5809430-\$ or US-5862207-\$ or US-6542475-\$ or US-6097806-\$ or US-5912882-\$ or US-5742675-\$ or US-6353627-\$ or US-5862211-\$ or US-5559611-\$ or US-5555100-\$ or US-6363109-\$ or US-6594827-\$). did.) and ((dispatch\$3 or pars\$3) same (list or listing))	USPAT	OR	ON	2003/07/25 13:38
S93	121	(queue or channel) and order and ((dispatch\$3 or pars\$3) same (list or listing) same unique)	USPAT	OR	ON	2003/07/25 14:31
S94	1697	(queue or channel) and order and ((dispatch\$3 or pars\$3) same (list or listing))	USPAT	OR	ON	2003/07/25 14:33
S95	1286	((queue or channel) and order and ((dispatch\$3 or pars\$3) same (list or listing)) ) and network	USPAT	OR	ON	2003/07/25 14:32
S96	1286	network and (queue or channel) and order and ((dispatch\$3 or pars\$3) same (list or listing))	USPAT	OR	ON	2003/07/25 14:34
S97	314	(network and (queue or channel) and order and ((dispatch\$3 or pars\$3) same (list or listing)) ) and ((list or listing) near5 identif\$4)	USPAT	OR	ON	2003/07/25 14:35

## EAST Search History

S14 9	0	dispatcher near5 dynamic\$5 and balance near5 workload near5 network	USPAT	OR	ON	2005/05/24 13:01
S15 0	0	dispatcher near5 dynamic\$5 and (balance near5 workload near5 network)	USPAT	OR	ON	2005/05/24 13:05
S15 1	58	dispatcher near5 dynamic\$5	USPAT	OR	ON	2005/05/24 13:02
S15 2	0	S151 and PB	USPAT	OR	ON	2005/05/24 13:02
S15 3	0	S151 and PBx	USPAT	OR	ON	2005/05/24 13:02
S15 4	5	S151 and workload	USPAT	OR	ON	2005/05/24 13:02
S15 5	0	dynamic\$5 same workload same PBx	USPAT	OR	ON	2005/05/24 13:05
S15 6	21	dynamic\$5 same workload and PBx	USPAT	OR	ON	2005/05/24 13:06
S15 7	34	dynamic\$5 near5 feature and workload and PBx	USPAT	OR	ON	2005/05/24 13:53
S15 8	1	("6,335,927").PN.	USPAT	OR	OFF	2005/05/24 13:53
S15 9	888	telephony and internet near server	USPAT	OR	ON	2006/07/17 17:50
S16 0	2025	telephony and internet near server	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 17:50
S16 1	2	S160 and dispatch\$5 same (PBX or private adj branch adj exchange)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 17:57
S16 2	0	internet near5 dispatch\$5 near5 (PBX or private adj branch adj exchange)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 17:59
S16 3	0	internet near5 pars\$5 near5 (PBX or private adj branch adj exchange)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 17:59

## EAST Search History

S16 4	31	dispatch\$5 near5 (PBX or private adj branch adj exchange)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 18:04
S16 5	15	telephony adj internet adj server	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 18:05
S16 6	4	telephony adj internet adj server and register\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 18:10
S16 7	1645	"G.711"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 18:10
S16 8	388	"G.711" same channel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 18:11
S16 9	41	S168 and internet same PBX	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:03
S17 0	35	synchronous\$5 near5 asynchronous\$5 near5 dispatcher	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:05
S17 1	1	S170 and pbx	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:03

## EAST Search History

S17 2	643	synchronous\$5 near5 asynchronous\$5 near5 message	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:05
S17 3	92	synchronous\$5 near5 asynchronous\$5 near5 message near5 both	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:05
S17 4	41	S173 and telephony	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:53
S17 5	1	("6446127").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/18 16:00
S17 6	1	balance adj system adj workload same server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:01
S17 7	1	balance adj system adj workload same telephony	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:02
S17 8	0	balance adj system adj workload near10 telephony	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:02
S17 9	0	balance adj workload near system near10 telephony	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:02
S18 0	0	balance adj work adj load near system near10 telephony	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:02
S18 1	13	balance adj workload near system	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:02

## EAST Search History

S18 2	4	balance adj system adj workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:20
S18 3	0	balance near2 workload same PBX same internet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:10
S18 4	1	balance near2 workload same PBX and internet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:10
S18 5	1	("5878130").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/20 12:40
S18 6	4	balance adj system adj workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:11
S18 7	2003	synchronous\$5 near5 asynchronous\$5 near5 both	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:12
S18 8	97	synchronous\$5 near5 asynchronous\$5 near5 both near5 message	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:13
S18 9	11	synchronous\$5 near5 asynchronous\$5 near5 both near5 message near5 send\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:12
S19 0	34	synchronous\$5 near5 asynchronous\$5 near5 both near5 message and PBX	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:13
S19 1	33	synchronous\$5 near5 asynchronous\$5 near5 both near5 message and PBX and internet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:15

## EAST Search History

S19 2	32	synchronous\$5 near2 asynchronous\$5 near2 both near2 message and PBX and internet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:18
S19 3	73	synchronous\$5 near2 asynchronous\$5 near2 both near2 message	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:15
S19 4	63	S193 and call	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:16
S19 5	10	S193 not S194	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:17
S19 6	55	synchronous\$5 near2 asynchronous\$5 near2 both near2 message and telephone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:18
S19 7	40	synchronous\$5 near2 asynchronous\$5 near2 both near2 message and telephone near2 call	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:22
S19 8	1	("20030058277").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/20 13:22
S19 9	1	S198 and balancing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:32
S20 0	0	S198 and (thread same balancing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:32
S20 1	0	S198 and (thread same message)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:32

## EAST Search History

S20 2	0	message adj threads same balance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:33
S20 3	0	message adj thread and balance near workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:33
S20 4	0	message near thread and balance near workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:33
S20 5	2	message near2 thread and balance near workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:34
S20 6	39	send\$3 near3 message near2 thread and workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:39
S20 7	9	balance near5 (workload\$3 or work adj loading) near5 thread	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:42
S20 8	2	balance near5 (workload\$3 or work adj loading) same message same thread	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:43
S20 9	0	balance near5 (workload\$3 or work adj loading) same (multi adj thread\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:43
S21 0	56	balance near5 (workload\$3 or work adj loading) and(multi adj thread\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:56
S21 1	56	balance near5 (workload\$3 or work adj loading) and (multi adj thread\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:43

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S21 2	0	S210 and PBX	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:02
S21 3	0	dispatcher near5 unaware near5 content	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:11
S21 4	0	dispatcher near5 unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:11
S21 5	5	unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:13
S21 6	6	unaware near8 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:13
S21 7	5	dispatcher near5 unaware	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:14
S21 8	0	sender near5 unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:14
S21 9	0	pars\$5 near5 unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:14
S22 0	0	districut\$5 near5 unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:14
S22 1	0	distribut\$5 near5 unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:14

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S22 2	1	unaware near payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:15
S22 3	2	unaware near2 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:15
S22 4	3	unaware near3 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:15
S22 5	3	unaware near4 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:15
S22 6	5	unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:02


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### [1 Computing curricula 2001](#)

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

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### [2 Web Performance Optimization: Cluster-based online monitoring system of web traffic](#)



Yun Mao, Kang Chen, Dongsheng Wang, Weimin Zheng

November 2001 **Proceedings of the 3rd international workshop on Web information and data management**

Publisher: ACM Press

Full text available: [pdf\(453.72 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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Web traffic has been increasing and evolving rapidly in recent years. It is important to measure the volume and characteristic of such dominant traffic to understand large-scale user access pattern and analyze performance of Web applications. Among the common methods of Web measurements, the passive way using packet monitoring is more advantageous since it provides comprehensive information and is transparent to end-users. However, the throughput of current packet monitoring system is limited by ...

### [3 A composable framework for secure multi-modal access to internet services from Post-PC devices](#)

Steven J. Ross, Jason L. Hill, Michael Y. Chen, Anthony D. Joseph, David E. Culler, Eric A. Brewer

October 2002 **Mobile Networks and Applications**, Volume 7 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: [pdf\(340.33 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

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The Post-PC revolution is bringing information access to a wide range of devices beyond the desktop, such as public kiosks, and mobile devices like cellular telephones, PDAs, and voice based vehicle telematics. However, existing deployed Internet services are geared toward the secure rich interface of private desktop computers. We propose the use of an infrastructure-based secure proxy architecture to bridge the gap between the capabilities of Post-PC devices and the requirements of Internet ser ...

**Keywords:** internet, middleware, post-PC, security, transcoding

**4 Experiences with network-based user agents for mobile applications**

Thomas F. La Porta, Thomas Woo, Krishan K. Sabnani, Ramachandran Ramjee

August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2

**Publisher:** Kluwer Academic Publishers

Full text available:  pdf(631.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Wireless networks are characterized by simple end devices and limited bandwidth. One solution to address these and other limitations of the wireless mobile environment that has been widely pursued is the placement of proxies, or agents, inside the network to assist with application processing that would normally take place on end devices. These agents can additionally manipulate data to reduce bandwidth requirements and assist in providing services. The design and implementation of a user a ...

**5 Integrating notification services in computer network and mobile telephony**

 Vittorio Ghini, Giovanni Pau, Paola Salomoni

March 2000 **Proceedings of the 2000 ACM symposium on Applied computing - Volume 2**

**Publisher:** ACM Press

Full text available:  pdf(546.77 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** integration of mobile and stationary systems, mobile applications and services, personal communications

**6 Applications: Digital media and entertainment service delivery platform**

 Christopher J. Pavlovski, Quentin Staes-Polet

November 2005 **Proceedings of the first ACM international workshop on Multimedia service composition MSC '05**

**Publisher:** ACM Press

Full text available:  pdf(415.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The emergence of broadband networks, for mobile and fixed environments, has stimulated the multimedia market for the delivery of enriched digital media and entertainment services. A key problem for institutions attempting to capitalize on these new channels for service delivery is a capability to deploy many multimedia services rapidly and cost effectively. The naïve technique is to deploy such solutions independently as so called point solutions. The strategic approach is the development o ...

**Keywords:** IP multimedia systems, digital media, reference architecture, service delivery platform, tripleplay, web service gateway

**7 Tools for building asynchronous servers to support speech and audio applications**

 Barry Arons

December 1992 **Proceedings of the 5th annual ACM symposium on User interface software and technology**

**Publisher:** ACM Press

Full text available:  pdf(946.22 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Distributed client/server models are becoming increasingly prevalent in multimedia systems and advanced user interface design. A multimedia application, for example, may play and record audio, use speech recognition input, and use a window system for graphical I/O. The software architecture of such a system can be simplified if the application communicates to multiple servers (e.g., audio servers, recognition servers) that each manage different types of input and output. This paper describe ...

**Keywords:** asynchronous message passing, audio servers, distributed client-server architecture, remote procedure call, speech and studio applications, speech recognition and synthesis

## 8 Frameworks for component-based client/server computing



Scott M. Lewandowski

March 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 1

Publisher: ACM Press

Full text available: [pdf\(243.81 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



## 9 A decision support system for tuning Web servers in distributed object oriented network architectures



R. D. van der Mei, W. K. Ehrlich, P. K. Reeser, J. P. Francisco

March 2000 **ACM SIGMETRICS Performance Evaluation Review**, Volume 27 Issue 4

Publisher: ACM Press

Full text available: [pdf\(648.79 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)



Web technologies are currently being employed to provide end user interfaces in diverse computing environments. The core element of these Web solutions is a Web server that is based on the Hypertext Transfer Protocol (HTTP) running over TCP/IP. Web servers are required to respond to millions of transaction requests per day at an "acceptable" Quality of Service (QoS) level with respect to the end-to-end response time and the server throughput. In many applications, the server performs significant ...

**Keywords:** Decision Support System, HTTP, Web server, World Wide Web, architecture, computing, configuration tuning, distributed, httpd, object-oriented, performance

## 10 Columns: Risks to the public in computers and related systems



Peter G. Neumann

January 2001 **ACM SIGSOFT Software Engineering Notes**, Volume 26 Issue 1

Publisher: ACM Press

Full text available: [pdf\(3.24 MB\)](#) Additional Information: [full citation](#)



## 11 Software engineering for mobility: a roadmap



Gruia-Catalin Roman, Gian Pietro Picco, Amy L. Murphy

May 2000 **Proceedings of the Conference on The Future of Software Engineering**

Publisher: ACM Press

Full text available: [pdf\(2.07 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



## 12 Towards an active network architecture

David L. Tennenhouse, David J. Wetherall



 April 1996 **ACM SIGCOMM Computer Communication Review**, Volume 26 Issue 2**Publisher:** ACM PressFull text available:  pdf(1.58 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Active networks allow their users to inject customized programs into the nodes of the network. An extreme case, in which we are most interested, replaces packets with "capsules" - program fragments that are executed at each network router/switch they traverse. Active architectures permit a massive increase in the sophistication of the computation that is performed within the network. They will enable new applications, especially those based on application-specific multicast, information fusion, a ...

13 Mobile applications: Impromptu: managing networked audio applications for mobile users 

 Chris Schmandt, Kwan Hong Lee, Jang Kim, Mark AckermanJune 2004 **Proceedings of the 2nd international conference on Mobile systems, applications, and services MobiSys '04****Publisher:** ACM PressFull text available:  pdf(240.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper discusses the software architecture of Impromptu, a mobile IP-based audio computing platform, with an associated set of network-based applications and services. Impromptu merges the communication properties and universal mobility of the telephone with the multi-tasking and open protocol world of the handheld PC. Its supporting architecture handles multiple streaming audio applications, provides speech services for consistent audio user interfaces across applications, and enables user ...

**Keywords:** WiFi, architecture, audio applications, audio interface, mobility, multi tasking, speech interface, telephony, voice over IP

14 A middleware toolkit for client-initiated service specialization 

 Greg Eisenhauer, Fabián E. Bustamante, Karsten SchwanApril 2001 **ACM SIGOPS Operating Systems Review**, Volume 35 Issue 2**Publisher:** ACM PressFull text available:  pdf(1.29 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

As the Internet matures, streaming data services are taking an increasingly important place alongside traditional HTTP transactions. The need to dynamically adjust the delivery of such services to changes in available network and processing resources has spawned substantial research on application-specific methods for dynamic adaptation, including video and audio streaming applications. Such adaptation techniques are well developed, but they are also highly specialized, with the client (receiver) ...

15 Mobile computing in next generation wireless networks 

 Prathima Agrawal, David FamolareAugust 1999 **Proceedings of the 3rd international workshop on Discrete algorithms and methods for mobile computing and communications****Publisher:** ACM PressFull text available:  pdf(1.01 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** IMT-2000, cdma2000, mobile computing, wireless data

16

Invited papers on the frontiers of software practice: Patterns, frameworks, and 

middleware: their synergistic relationships

Douglas C. Schmidt, Frank Buschmann

**May 2003 Proceedings of the 25th International Conference on Software Engineering****Publisher:** IEEE Computer SocietyFull text available:  [pdf\(1.58 MB\)](#)  Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)  
[Publisher Site](#)

The knowledge required to develop complex software has historically existed in programming folklore, the heads of experienced developers, or buried deep in the code. These locations are not ideal since the effort required to capture and evolve this knowledge is expensive, time-consuming, and error-prone. Many popular software modeling methods and tools address certain aspects of these problems by documenting how a system is designed. However, they only support limited portions of software ...

**17 In-service QoS monitoring of real-time applications using SM MIB** 

Yong-Hoon Choi, Iksoon Hwang

**January 2005 International Journal of Network Management**, Volume 15 Issue 1**Publisher:** John Wiley & Sons, Inc.Full text available:  [pdf\(235.82 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Current network management needs an end-to-end overview of various flows rather than the information that is purely local to the individual devices. The typical manager-centric polling approach, however, is not suitable to understand network-wide behavior of a large-scale Internet. In this paper, we propose a new management information base (MIB) approach called Service Monitoring MIB (SM MIB). The MIB provides a network manager with dynamic end-to-end management information by utilizing special ...

**18 Binaries and bit stream processing: A stream library using Erlang binaries**  Jay Nelson**September 2005 Proceedings of the 2005 ACM SIGPLAN workshop on Erlang ERLANG '05****Publisher:** ACM PressFull text available:  [pdf\(254.76 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

An implementation of a Stream Library for *erlang* is described which uses Built-In Functions (BIFs) for fast access. The approach uses binaries to represent and process stream data in high volume, high performance applications. The library is intended to assist developers dealing with communication protocols, purely textual content, formatted data records and the routing of streamed data. The new BIFs are shown to improve performance as much as 250 times over native *erlang* functions ...

**Keywords:** BIF, binary, erlang, stream**19 Wireless Andrew: building a high speed, campus-wide wireless data network** 

Bernard J. Bennington, Charles R. Bartel

**January 2001 Mobile Networks and Applications**, Volume 6 Issue 1**Publisher:** Kluwer Academic PublishersFull text available:  [pdf\(159.87 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)**Keywords:** Andrew, WaveLAN, integration, wireless network

**20 Wireless Andrew: experience building a high speed, campus-wide wireless data network**

Bernard J. Bennington, Charles R. Bartel

September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking****Publisher:** ACM PressFull text available: [pdf\(1.48 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

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**1. An implementation of SIP servers for internet telephony**

Wook Hyun; Hub, M.; ShinGak Kang;  
*High Speed Networks and Multimedia Communications 5th IEEE International 3-5 July 2002* Page(s):61 - 65  
 Digital Object Identifier 10.1109/HSNMC.2002.1032548

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**2. Dynamic management of Internet telephony servers: a case study based and JDMK**

Keller, A.; Reiser, H.;  
*Enterprise Distributed Object Computing Conference, 1999. EDOC '99. Proceedings International* 27-30 Sept. 1999 Page(s):135 - 146  
 Digital Object Identifier 10.1109/EDOC.1999.792057

[AbstractPlus](#) | Full Text: [PDF\(1148 KB\)](#) [IEEE CNF Rights and Permissions](#)

**3. A Framework for Detecting Malformed Messages in SIP Networks**

Geneiatakis, D.; Kambourakis, G.; Dagiuklas, T.; Lambrinoudakis, C.; Gritzalis  
*Local and Metropolitan Area Networks, 2005. LANMAN 2005. The 14th IEEE V* 18-21 Sept. 2005 Page(s):1 - 5

[AbstractPlus](#) | Full Text: [PDF\(224 KB\)](#) [IEEE CNF Rights and Permissions](#)

**4. A programmable client-server model: robust extensibility via DSLs**

Consel, C.; Reveillere, L.;  
*Automated Software Engineering, 2003. Proceedings. 18th IEEE International* 6-10 Oct. 2003 Page(s):70 - 79  
 Digital Object Identifier 10.1109/ASE.2003.1240296

[AbstractPlus](#) | Full Text: [PDF\(290 KB\)](#) [IEEE CNF Rights and Permissions](#)

**5. Convergence between public switching and the Internet**

Schoen, U.; Hamann, J.; Ugel, A.; Kurzawa, H.; Schmidt, C.;  
*Communications Magazine, IEEE* Volume 36, Issue 1, Jan. 1998 Page(s):50 - 65  
 Digital Object Identifier 10.1109/35.649328

[AbstractPlus](#) | Full Text: [PDF\(2500 KB\)](#) IEEE JNL  
[Rights and Permissions](#)

- **6. A programmable architecture for the provision of hybrid services**  
Gbaguidi, C.; Hubaux, J.-P.; Hamdi, M.; Tantawi, A.N.;  
[Communications Magazine, IEEE](#)  
Volume 37, Issue 7, July 1999 Page(s):110 - 116  
Digital Object Identifier 10.1109/35.774889  
[AbstractPlus](#) | Full Text: [PDF\(648 KB\)](#) IEEE JNL  
[Rights and Permissions](#)
- **7. The EMA system: a CTI based e-mail alerting service**  
Frank, D.; Lucic, H.; Opsenica, M.; Puksec, L.; Zic, M.; Brajkovic, S.; Maricic, V  
[Communications Magazine, IEEE](#)  
Volume 38, Issue 2, Feb. 2000 Page(s):122 - 128  
Digital Object Identifier 10.1109/35.819905  
[AbstractPlus](#) | References | Full Text: [PDF\(108 KB\)](#) IEEE JNL  
[Rights and Permissions](#)
- **8. An embedded software approach for the development of SIP-based VoIP**  
Roy Chaoming Hsu; Cheng-Ting Liu; Wen-Ping Huang; Jun-Jay Yang;  
[Software Engineering Conference, 2004. 11th Asia-Pacific](#)  
30 Nov.-3 Dec. 2004 Page(s):688 - 694  
Digital Object Identifier 10.1109/APSEC.2004.24  
[AbstractPlus](#) | Full Text: [PDF\(77 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- **9. Prototyping SIP-based VoIP services in Java**  
Hua Zou; Hongman Wang; Wenxin Mao; Bai Wang; Focant, S.; Handekyn, K.;  
Marly, N.;  
[Communication Technology Proceedings, 2000. WCC - ICCT 2000. International](#)  
Volume 2, 21-25 Aug. 2000 Page(s):1395 - 1399 vol.2  
Digital Object Identifier 10.1109/ICCT.2000.890924  
[AbstractPlus](#) | Full Text: [PDF\(344 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- **10. Multimodal output for a conversational telephony system**  
Mast, M.; Gunther, C.; Kunzmann, S.; Ross, T.;  
[Multimedia and Expo, 2000. ICME 2000. 2000 IEEE International Conference](#)  
Volume 1, 30 July-2 Aug. 2000 Page(s):293 - 296 vol.1  
Digital Object Identifier 10.1109/ICME.2000.869599  
[AbstractPlus](#) | Full Text: [PDF\(316 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- **11. One-way-delay measurements with CM toolset**  
Hofmann, U.; Pfeifferberger, T.; Hechenleitner, B.;  
[Performance Computing, and Communications Conference, 2000. IPCCC '00](#)  
[Proceeding of the IEEE International](#)  
20-22 Feb. 2000 Page(s):41 - 47  
Digital Object Identifier 10.1109/PCCC.2000.830300  
[AbstractPlus](#) | Full Text: [PDF\(388 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- **12. Mobile Internet telephony protocol: an application layer protocol for mobile telephony services**  
Wanjun Liao;  
[Communications, 1999. ICC '99. 1999 IEEE International Conference on](#)  
Volume 1, 6-10 June 1999 Page(s):339 - 343 vol.1  
Digital Object Identifier 10.1109/ICC.1999.767959

[AbstractPlus](#) | Full Text: [PDF\(504 KB\)](#) IEEE CNF  
[Rights and Permissions](#)

■ 13. First IEEE/POPOV Workshop on Internet Technologies and Services. Pro No.99EX391)  
[Internet Technologies and Services, 1999. Proceedings. First IEEE/Popov Wo 1999](#)  
Digital Object Identifier 10.1109/INTS.1999.874000  
[AbstractPlus](#) | Full Text: [PDF\(292 KB\)](#) IEEE CNF  
[Rights and Permissions](#)

■ 14. Successful product characteristics for electronic commerce: a taxonomy types  
Thachenkary, C.S.; Chatterjee, S.; Katz, J.L.;  
[Community Networking Proceedings, 1997 Fourth International Workshop on 11-12 Sept. 1997](#) Page(s):77 - 85  
Digital Object Identifier 10.1109/CN.1997.629959  
[AbstractPlus](#) | Full Text: [PDF\(708 KB\)](#) IEEE CNF  
[Rights and Permissions](#)

■ 15. First IEEE/POPOV Workshop on Internet Technologies and Services. Pro No.99EX391)  
[Control Systems Technology, IEEE Transactions on Volume 8, Issue 6, Nov. 2000](#)  
Digital Object Identifier 10.1109/87.880607  
[AbstractPlus](#) | Full Text: [PDF\(144 KB\)](#) IEEE JNL  
[Rights and Permissions](#)

■ 16. Speech privacy technophobes need not apply  
Caloyannides, M.A.;  
[Security & Privacy Magazine, IEEE Volume 2, Issue 5, Sept.-Oct. 2004](#) Page(s):86 - 87  
Digital Object Identifier 10.1109/MSP.2004.85  
[AbstractPlus](#) | Full Text: [PDF\(80 KB\)](#) IEEE JNL  
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■ 17. Providing Secure Services in Peer-to-Peer Communications Networks wi Security Servers  
Feng Cao; Bryan, D.A.; Lowekamp, B.B.;  
[Telecommunications, 2006. AICT-ICIW '06. International Conference on Intern Applications and Services/Advanced International Conference on 19-25 Feb. 2006](#) Page(s):105 - 105  
Digital Object Identifier 10.1109/AICT-ICIW.2006.153  
[AbstractPlus](#) | Full Text: [PDF\(1376 KB\)](#) IEEE CNF  
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■ 18. P2P in satellite networks: a tutorial on related problems and some possit Asorey-Cacheda, R.; Gonzalez-Castano, F.J.; Caviglione, L.; Davoli, F.;  
[Wireless Communication Systems, 2005. 2nd International Symposium on 5-7 Sept. 2005](#) Page(s):733 - 736  
Digital Object Identifier 10.1109/ISWCS.2005.1547804  
[AbstractPlus](#) | Full Text: [PDF\(840 KB\)](#) IEEE CNF  
[Rights and Permissions](#)

■ 19. Enabling flexible working using hybrid IP VPNs Hubbard, T.;  
[Design of Reliable Communication Networks, 2005. \(DRCN 2005\). Proceeding International Workshop on 16-19 Oct. 2005](#) Page(s):4 pp.

Digital Object Identifier 10.1109/DRCN.2005.1563910

[AbstractPlus](#) | Full Text: [PDF\(762 KB\)](#) IEEE CNF  
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**[20] 20. On generalized processor sharing with regulated multimedia traffic**

Oottamakorn, C.; Shiwen Mao; Panwar, S.S.;  
[Communications, 2005. ICC 2005. 2005 IEEE International Conference on](#)  
Volume 1, 16-20 May 2005 Page(s):345 - 351 Vol. 1  
Digital Object Identifier 10.1109/ICC.2005.1494373

[AbstractPlus](#) | Full Text: [PDF\(355 KB\)](#) IEEE CNF  
[Rights and Permissions](#)

**[21] 21. The IMS playground @ FOKUS-an open testbed for generation network n services**

Magedanz, T.; Witaszek, D.; Knuettel, K.;  
[Testbeds and Research Infrastructures for the Development of Networks and Services, Tridentcom 2005. First International Conference on](#)  
23-25 Feb. 2005 Page(s):2 - 11  
Digital Object Identifier 10.1109/TRIDNT.2005.35

[AbstractPlus](#) | Full Text: [PDF\(392 KB\)](#) IEEE CNF  
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**[22] 22. Micro-controller based Internet phone**

Kaplan, S.; Davies, J.R.;  
[AFRICON, 2004. 7th AFRICON Conference in Africa](#)  
Volume 1, 2004 Page(s):307 - 311 Vol.1  
Digital Object Identifier 10.1109/AFRICON.2004.1406680

[AbstractPlus](#) | Full Text: [PDF\(522 KB\)](#) IEEE CNF  
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**[23] 23. Enabling flexible working using hybrid IP VPNs**

Hubbard, T.;  
[Telecommunications Network Strategy and Planning Symposium. NETWORKING International](#)  
13-16 June 2004 Page(s):21 - 24  
Digital Object Identifier 10.1109/NETWKS.2004.1341808

[AbstractPlus](#) | Full Text: [PDF\(298 KB\)](#) IEEE CNF  
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**[24] 24. Networks for homes**

Dutta-Roy, A.;  
[Spectrum, IEEE](#)  
Volume 36, Issue 12, Dec. 1999 Page(s):26 - 33  
Digital Object Identifier 10.1109/6.809120

[AbstractPlus](#) | Full Text: [PDF\(1040 KB\)](#) IEEE JNL  
[Rights and Permissions](#)

**[25] 25. An architecture for residential Internet telephony service**

Huitema, C.; Cameron, J.; Mouchtaris, P.; Smyk, D.;  
[Internet Computing, IEEE](#)  
Volume 3, Issue 3, May-June 1999 Page(s):73 - 82  
Digital Object Identifier 10.1109/4236.769425

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